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OIPE

RAW SEQUENCE LISTINGPATENT APPLICATION: **US/10/047,539**DATE: 05/06/2002

TIME: 13:52:11

Input Set : A:\Vos27.app

Output Set: N:\CRF3\05062002\J047539.raw

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         PAVLOVIC, JOVAN
         NAWRATH, MICHAEL
 7 <120> TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS FOR TREATING OR PREVENTING
         CANCER
10 <130> FILE REFERENCE: VOS-27
12 <140> CURRENT APPLICATION NUMBER: 10/047,539
13 <141> CURRENT FILING DATE: 2002-01-15
15 <150> PRIOR APPLICATION NUMBER: EP 01 10 0914.9
16 <151> PRIOR FILING DATE: 2001-01-16
18 <160> NUMBER OF SEO ID NOS: 13
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37 Ala Leu Leu Ala Val Gly Ala Leu Glu Gly Ser Arg Asn Gln Asp Trp
40 ctt ggt gtc cca aga caa ctt gta act aaa acc tgg aac agg cag ctg
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41 Leu Gly Val Pro Arg Gln Leu Val Thr Lys Thr Trp Asn Arg Gln Leu
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44 tac ccc gag tgg aca gag gtg cag ggg tct aac tgc tgg aga ggt ggc
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45 Tyr Pro Glu Trp Thr Glu Val Gln Gly Ser Asn Cys Trp Arg Gly Gly
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48 cag gta tet etg agg gte att aat gat ggg eet aca etg gtt ggt gea
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49 Gln Val Ser Leu Arg Val Ile Asn Asp Gly Pro Thr Leu Val Gly Ala
52 aat gee tee tit tee att gee etg eac tie eet gga agt eaa aag gta
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53 Asn Ala Ser Phe Ser Ile Ala Leu His Phe Pro Gly Ser Gln Lys Val
56 cta ccg gat ggt cag gtt atc tgg gcc aac acc acc atc atc ggg
57 Leu Pro Asp Gly Gln Val Ile Trp Ala Asn Asn Thr Ile Ile Asn Gly
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Input Set : A:\Vos27.app

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68 ccg aag aga aga agc ttt gtt tat gtt tgg aag acc tgg gga aaa tac tgg 69 Pro Lys Arg Ser Phe Val Tyr Val Trp Lys Thr Trp Gly Lys Tyr Trp 70 145
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70 145
72 caa gtt ctg ggg ggt cca gtg tcc agg tcg agc att gct acg cgc cac 73 Gln Val Leu Gly Gly Pro Val Ser Arg Ser Ser Ile Ala Thr Arg His 74 165 170 175 76 gca aag ctg ggc aca cac aca atg gaa gtg act gtc tac cac cga cgg 77 Ala Lys Leu Gly Thr His Thr Met Glu Val Thr Val Tyr His Arg Arg 78 180 185 190 80 ggt tcc cag agc tac gtg ccc ctt gct cac gcc agt tca acc ttc acc 81 Gly Ser Gln Ser Tyr Val Pro Leu Ala His Ala Ser Ser Thr Phe Thr 82 195 200 205 84 att act gac cag gta cct ttc tcc gtg agt ggt gtc cag cta cag gcc 85 Ile Thr Asp Gln Val Pro Phe Ser Val Ser Val Ser Gln Leu Gln Ala 86 210 215 220 88 ttg gac gga gag acc aag cac ttc ctg aga aat cat cct ctc atc tt. 89 Leu Asp Gly Glu Thr Lys His Phe Leu Arg Asn His Pro Leu Ile Phe 90 225 230 235 240 240 245 250 255 816 tcc tac aca tgg gac tt gag at gtg tat ttg gcc gag gcc gac ctc 93 Ala Leu Gln Leu His Asp Pro Ser Gly Tyr Leu Ala Glu Ala Asp Leu 94 245 250 255 816 tcc tac aca tgg gac tt gag at ggt act ggg acc ctg act ccc gg 97 Ser Tyr Thr Trp Asp Phe Gly Asp Gly Thr Gly Thr Leu Ile Ser Arg 88 260 265 270 100 gca ctt gat gtc act cac act tac ctg gag tcg gcc tca gtc act gcc 101 Ala Leu Asp Val Thr His Thr Tyr Leu Glu Ser Gly Ser Val Thr Ala 102 275 280 265 104 cag gtg gta ctg cag gct gcc att cct ttg tt tcc tgt ggt tcc tcc 105 Gln Val Val Leu Gln Ala Ala Ile Pro Leu Val Ser Cys Gly Ser Ser 106 290 295 300 108 cca gtc ccg ggt acc aca gat ggc tac atg cca act gca gaa gca cct 109 Pro Val Pro Gly Thr Thr Asp Gly Tyr Met Pro Thr Ala Glu Ala Pro 110 305 310 305 110 305 110 306 110 307 110 308 110 308
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78 180 185 190 80 ggt tcc cag agc tac gtg ccc ctt gct cac gcc agt tca acc ttc acc 624 81 Gly Ser Gln Ser Tyr Val Pro Leu Ala His Ala Ser Ser Thr Phe Thr 200 205 84 att act gac cag gta cct ttc tcc gtg agt gtg tcc cag cta cag gcc 672 85 Ile Thr Asp Gln Val Pro Phe Ser Val Ser Val Ser Gln Leu Gln Ala 200 86 210 215 220 88 ttg gac gga gag acc aag cac ttc ctg aga aat cat cct ctc atc ttt 720 89 Leu Asp Gly Glu Thr Lys His Phe Leu Arg Asn His Pro Leu Ile Phe 225 240 92 gcc ctt cag ctc cac gac ccc agt ggt tat ttg gcc gag gcc gac ctc 768 93 Ala Leu Gln Leu His Asp Pro Ser Gly Tyr Leu Ala Glu Ala Asp Leu 245 250 255 96 tcc tac aca tgg gac ttt gga gt gt act ggg acc ctg atc tct cgg 816 816 97 Ser Tyr Thr Trp Asp Phe Gly Asp Gly Thr Gly Thr Leu Ile Ser Arg 260 265 270 100 gca ctt gat gtc act cac act tac ctg gag tcg gcc tca gtc agt gcc gc 864 101 Ala Leu Asp Val Thr His Thr Tyr Leu Glu Ser Gly Ser Val Thr Ala 285 104 cag gtg gta ctg cag gct gcc att cct ctt gtt tcc tcg
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93 Ala Leu Gln Leu His Asp Pro Ser Gly Tyr Leu Ala Glu Ala Asp Leu 94
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Input Set : A:\Vos27.app

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154	, 41		O _I B	01	485	011		110	2,0	490		-1-		···-F	495		
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162	PIU	Ser	515	vsh	Cys	GIII	цеи	520	цец	птэ	GIII	Val	525	цуз	GIY	GLY	
	+	~~~		+-+	+ ~ ~	a+ a	2 2 ±		+ a+	++~	act	420		220	200	ata	1632
												gac Asp					1032
	Ser	_	1111	тĂт	Cys	Leu	535	Val	per	пец	Ата	540	нта	ASII	ser	пеи	
166	~~-	530	~~~					~++	~++	aa+	~~+		a 2 0	aa+	~~~	att	1680
												caa					1000
		Val	Ald	ser	THE		теп	Val	vaı	PIO		Gln	ASP	СТУ	СТУ	560	
	545					550					555	+		-+-	~~+		1720
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Input Set : A:\Vos27.app

Output Set: N:\CRF3\05062002\J047539.raw

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Input Set : A:\Vos27.app

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280 Leu Val Lys Arg Gln Val Pro Leu Asp Cys Val Leu Tyr Arg Tyr Gly
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283 Ser Phe Ser Leu Ala Leu Asp Ile Val Gln Gly Ile Glu Ser Ala Glu
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286 Ile Leu Gln Ala Val Pro Phe Ser Glu Gly Asp Ala Phe Glu Leu Thr
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                        470
289 Val Ser Cys Gln Gly Gly Leu Pro Lys Glu Ala Cys Met Asp Ile Ser
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292 Ser Pro Gly Cys Gln Pro Pro Ala Gln Arg Leu Cys Gln Ser Val Pro
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295 Pro Ser Pro Asp Cys Gln Leu Val Leu His Gln Val Leu Lys Gly Gly
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                   1
335 gtg ata ggt gct ttg ctg gct gtg ggg gct aca aaa gta ccc aga aac
336 Val Ile Gly Ala Leu Leu Ala Val Gly Ala Thr Lys Val Pro Arg Asn
                                                  25
337
                             20
         15
```

VERIFICATION SUMMARY

DATE: 05/06/2002

PATENT APPLICATION: US/10/047,539 TIME: 13:52:12

Input Set : A:\Vos27.app